INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2004/001854

			PCT/CA2004/001854
A. CLASSI	FICATION OF SUBJECT MATTER		
G06T-7/0	0, G06T-1/00, G06K-9/46		
According	to International Patent Classification (IPC) or to both	national classification and IPC	
B. FIELDS	SEARCHED		·
Minimum d	locumentation searched (classification system followe	d by classification symbols)	
IPC ⁷ : G061	C-7/00, G06T-1/00, G06K-9/46 in combination with k	ceywords ·	
Documenta	tion searched other than minimum documentation to t	he extent that such documents	are included in the fields
Electronic o	database(s) consulted during the international search (name of database(s) and, where	e practicable, search terms
Canadian P	atent database, USPTO West, IEEE Xplore, Google s	cholar Search terms: agent(s),	image, segmentation,
<u> </u>		· .	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	•	
Category*	Citation of document, with indication, where appropri	ate, of the relevant passages	Relevant to claim No(s).
. x	"Design of Image Exploring Agent using Genetic Pr	ogramming", Köppen M. et	1, 2, 15
•	al., Fuzzy Sets and Systems, Special Issue on Softco	· · · · · · · · · · · · · · · · · ·	. :
~,	303-315. Also available at http://visionic.fhg.de/ipk/	koeppen/	
. Y		·	3-13
			·
, X	"Toward evolutionary autonomous agents for compu	itational perception", Liu J.	14
	et al, IEEE International Conference on Systems, Ma		
	Oct 12-15, 1997, Orlando FL (USA), vol. 4, pages 3	096-3101.	
Y	•		3-13
		•	3-13
4, 1			
	r documents are listed in the continuation of Box C.	[] See patent family anno	x.
* "A	Special categories of cited documents: "document defining the general state of the art which is not considered	later document pub priority date and not in conflict v	lished after the international filing date or with the application but cited
~ "E	to be of particular relevance earlier application or patent but published on or after the internation	to understand the p	principle or theory underlying the invention plar relevance; the claimed invention cannot
"L	filing date "document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other	be considered novel or cannot be inventive step when the docume "Y" document of particular	nt is taken alone
· "o	special reason (as specified) "document referring to an oral disclosure, use, exhibition or other		plar relevance; the claimed invention cannot volve an inventive step when the document her such documents, such
. "P	means document published prior to the international filing date but later th	combination being obvious to a	
	the priority date claimed		
Date of the a	actual completion of the international search	Date of mailing of the international search report	
11 February	2005 (11-02-2005)	07 March 2005 (07-03-2005)	
Name and mailing address of the ISA/CA Canadian Intellectual Property Office		Äuthorized officer	
Place du Porta	ge I, C114 - Ist Floor, Box PCT	Serge Carrier (819) 997-23	22
50 Victoria Stre Gatineau, Queb	•	-	·

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	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
X	"Adaptive Image Segmentation with Distributed Behavior-Based Agents", Liu J. et al., IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 21, no. 6, June 1999, pp. 544-551.	14
Y		3-13
X	"A Multi-Agent System to Segment Living Cells", Boucher A. et al., Proceedings of the 13th International conference on Pattern Recognition, Aug. 25-29, 1996, Vienna, vol. 3, pp. 558-562.	14
Y		3-13
X _.	"A Cellular Coevolutionary Algorithm for Image Segmentation", Veenman Cor. J. et al, IEEE Transactions on Image Processing, vol. 12, no 3, March 2003.	14
Y	pp.304-316	3-13
A	ARL review 2001, The Applied Research Laboratory, The Pennsylvania State University, Richard L. Tutwiler et al, pp. 1-5. See section "Multi-Agent Imaging" on pages 4-5. Available at http://www.arl.psu.edu/ARLreview2001	1-15
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